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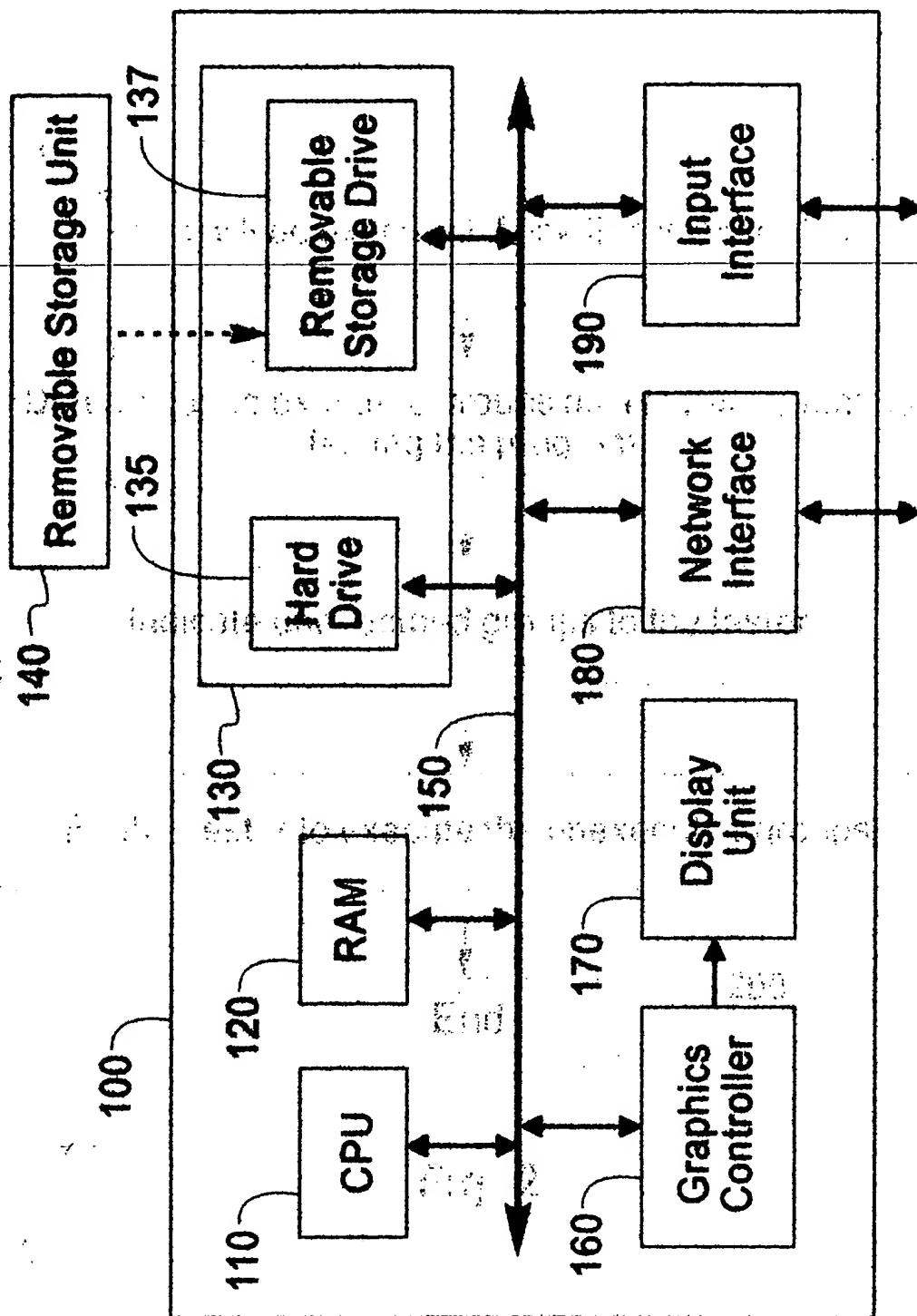


Fig. 1

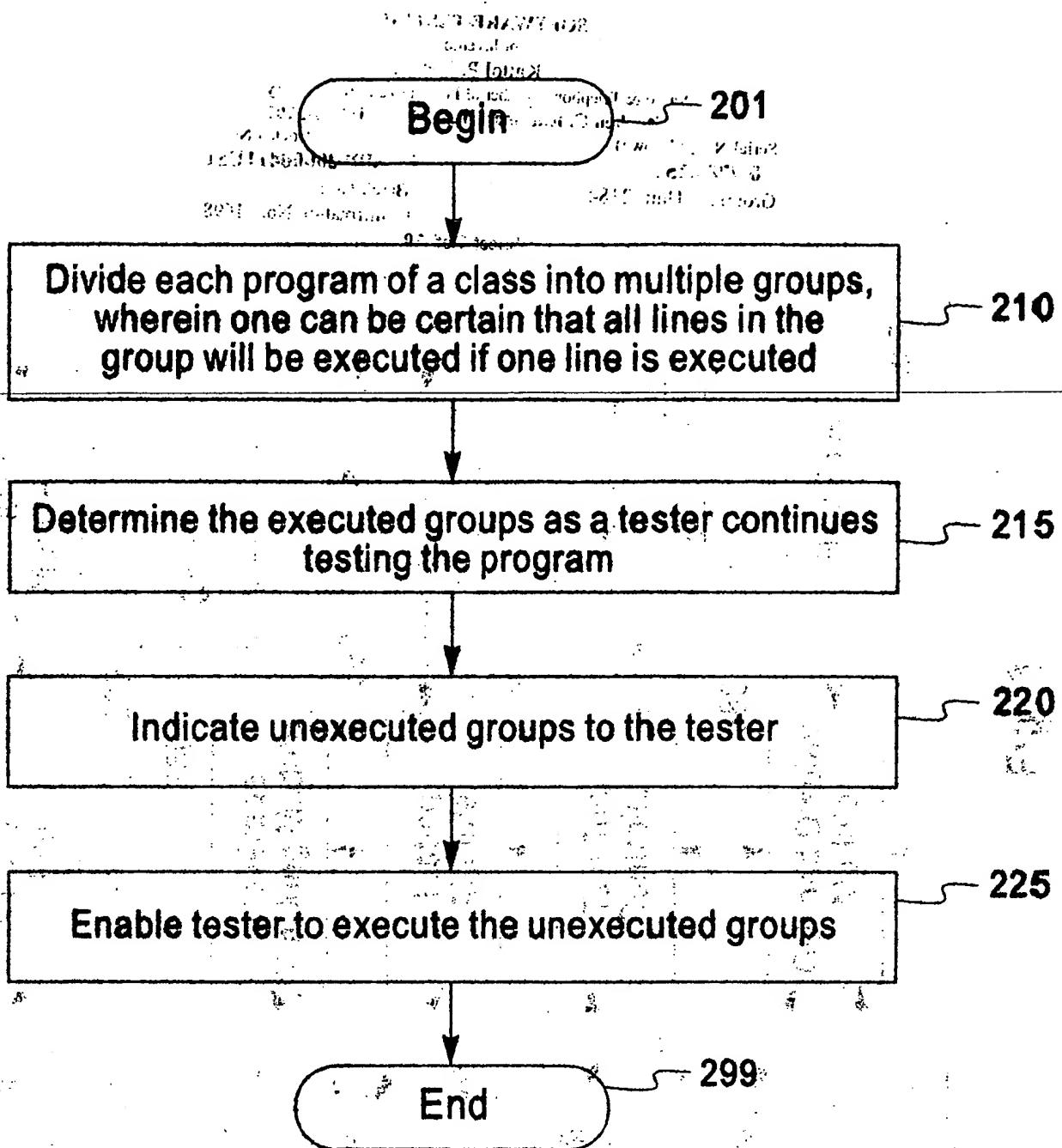


Fig. 2

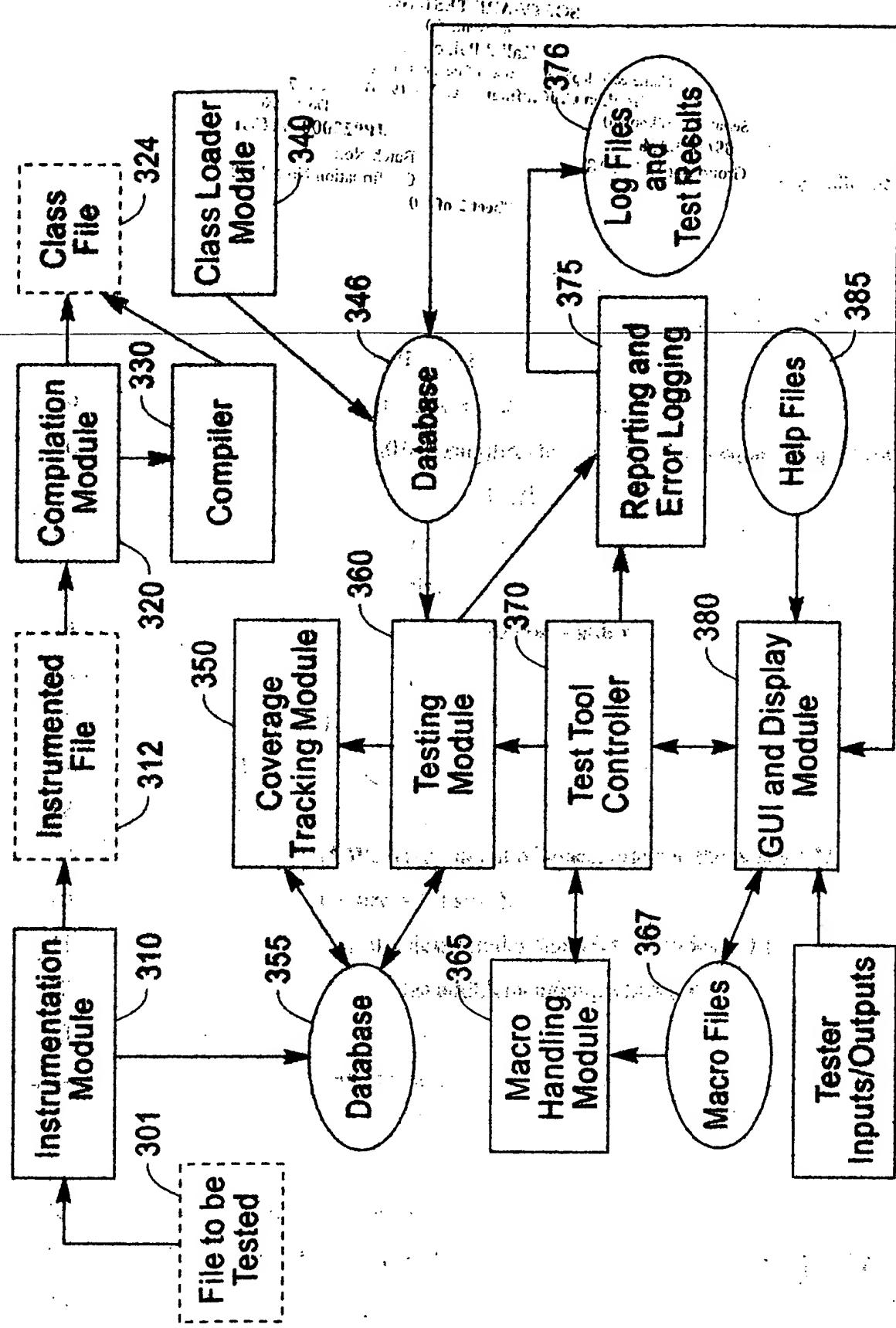


Fig. 3

```

1  public void addString(String inStr) {
2      /* The location where the string needs to be set */
3      int setPos = -1;
4      /* Check the size to see if the next set needs to be allocated */
5      if(list.size() > 0 && pos <
6          (String)(list.elementAt(list.size()-1))).equals(emptyString)) {
7          /* We still have empty space, get the first empty slot */
8          int totalRec = list.size();
9          for(int index=totalRec-1;index >= 0;index--) {
10             if(!((String)list.elementAt(index)).equals(emptyString)) {
11                 setPos = index;
12                 break;
13             } else {
14                 setPos = index;
15             }
16         }
17     }
18     else {
19         /* We have run out of space, allocate the next set */
20         int size = list.size();
21         for(int index=0;index<numSetVal;index++) {
22             list.addElement(emptyString);
23         }
24         setPos = size;
25     }
26     /* Add the element */
27     list.setElementAt(inStr, setPos);
28 }

```

Fig. 4A

```

1  public void addString(String inStr) {
2      /* INSTRUMENTATION Group B11 -BEGIN */
3      Wiz_Tracer.trackExecution("WizStringList",11);
4      /* INSTRUMENTATION GROUP B11 - END */
5      int setPos = -1;
6      if( list.size() > 0 && (
7          (String)(list.elementAt(list.size()-1))).equals(emptyString) )
8      /*INSTRUMENTATION GROUP B12 - BEGIN */
9      Wiz_Tracer.trackExecution("WizStringList",12);
10     /* INSTRUMENTATION GROUP B12 - END */
11     int totalRec = list.size();
12     for(int index=totalRec-1;index >= 0;index--) {
13         /* INSTRUMENTATION GROUP B13 - BEGIN */
14         Wiz_Tracer.trackExecution("WizStringList",13);
15         /* INSTRUMENTATION GROUP B13 - END */
16         if(!((String)list.elementAt(index)).equals(emptyString)) {
17             /* INSTRUMENTATION GROUP B14 - BEGIN */
18             Wiz_Tracer.trackExecution("WizStringList",14);
19             /* INSTRUMENTATION GROUP B14 - END */
20             break;
21         } /* <if GROUP(B14) ends at line : 134> */

```

Fig. 4B

```
22     else { /* <else GROUP(B15) begins at line : 135> */  
23         /* INSTRUMENTATION GROUP B15 - BEGIN */  
24         Wiz_Tracer.trackExecution("WizStringList",15);  
25         /* INSTRUMENTATION GROUP B15 - END */  
26         setPos = index;  
27     } /* <else block(B15) ends at line : 138> */  
28     /* <break(B16) begins at line : 139> */  
29     /* INSTRUMENTATION GROUP B16 - BEGIN */  
30     Wiz_Tracer.trackExecution("WizStringList",16);  
31     /* INSTRUMENTATION GROUP B16 - END */  
32     } /* <for block(B13) ends at line : 139> */  
33 } /* <if block(B12) ends at line : 141> */  
34 else { /* <else block(B17) begins at line : 142> */  
35     /* INSTRUMENTATION GROUP B17 - BEGIN */  
36     Wiz_Tracer.trackExecution("WizStringList",17);  
37     /* INSTRUMENTATION GROUP B17 - END */  
38     int size = list.size();  
39     for(int index=0;index<numSetVal;index++) { /* <for  
40         block(B18) begins at line : 146> */  
41         /* INSTRUMENTATION GROUP B18 - BEGIN */  
42         Wiz_Tracer.trackExecution("WizStringList",18);  
43         /* INSTRUMENTATION GROUP B18 - END */  
44         list.addElement(emptyString);  
45     } /* <for block(B18) ends at line : 149> */  
46     setPos = size;  
47 } /* <else block(B17) ends at line : 152> */  
48     list.setElementAt(inStr,setPos);  
49 } /* <method block - addString(B11) ends at line : 156> */
```

Fig. 4C

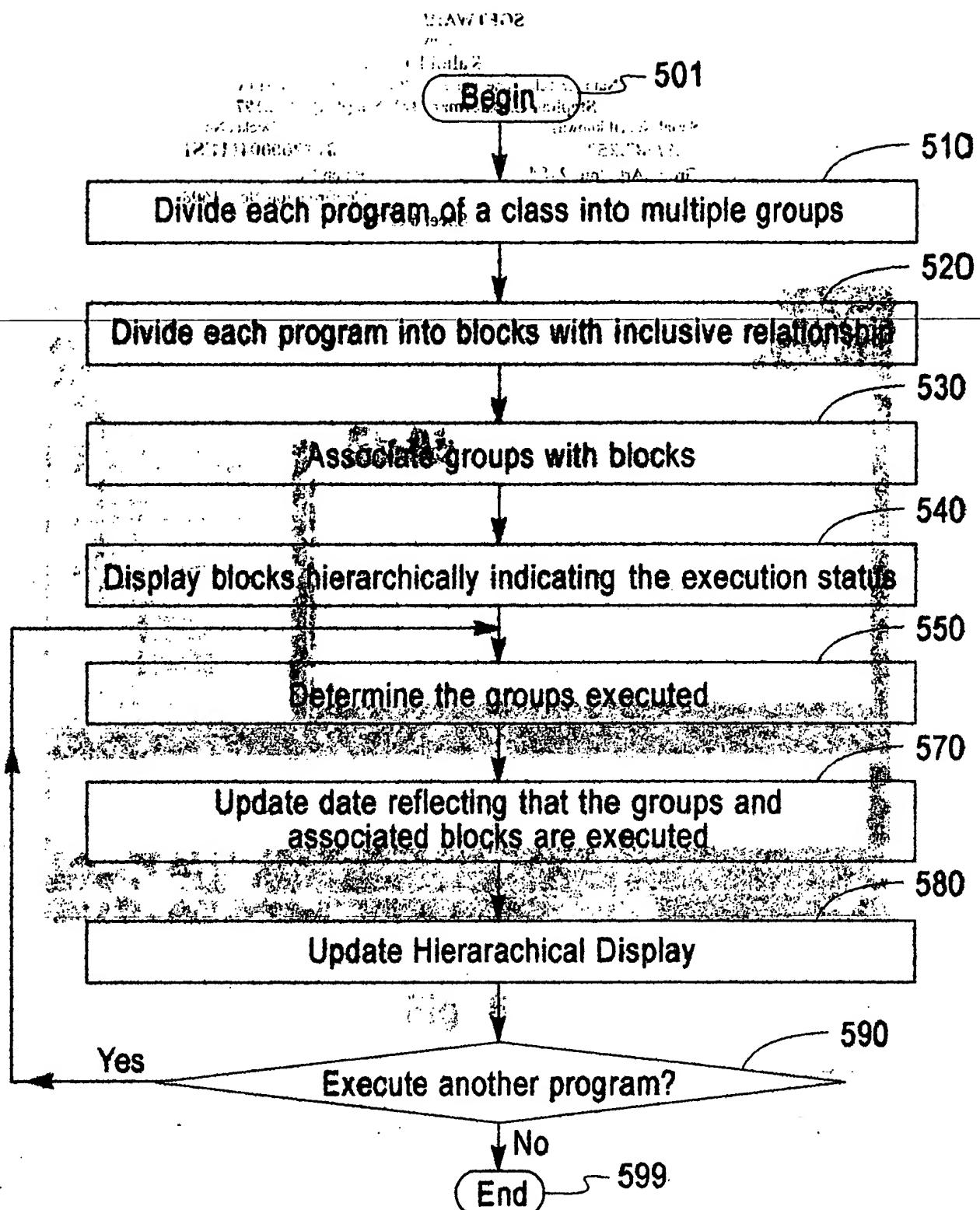


Fig. 5

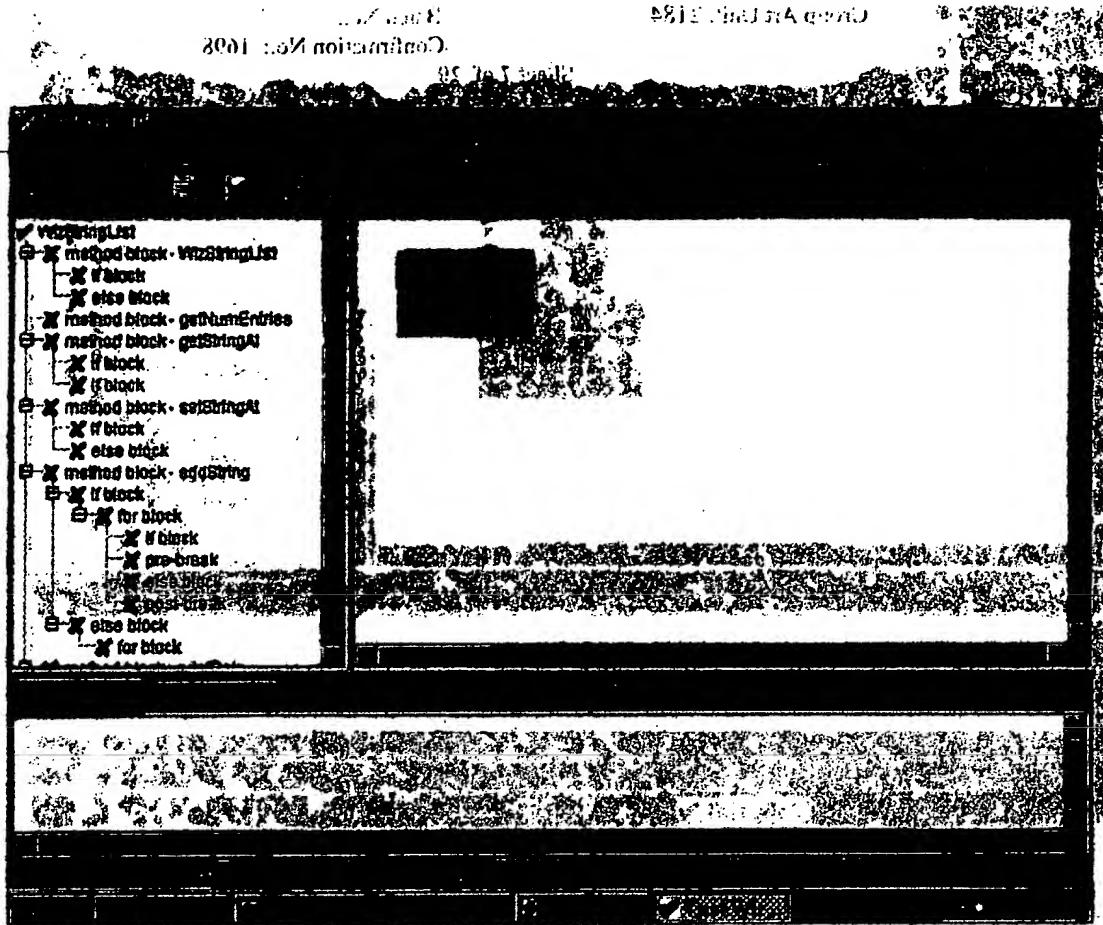


Fig. 6

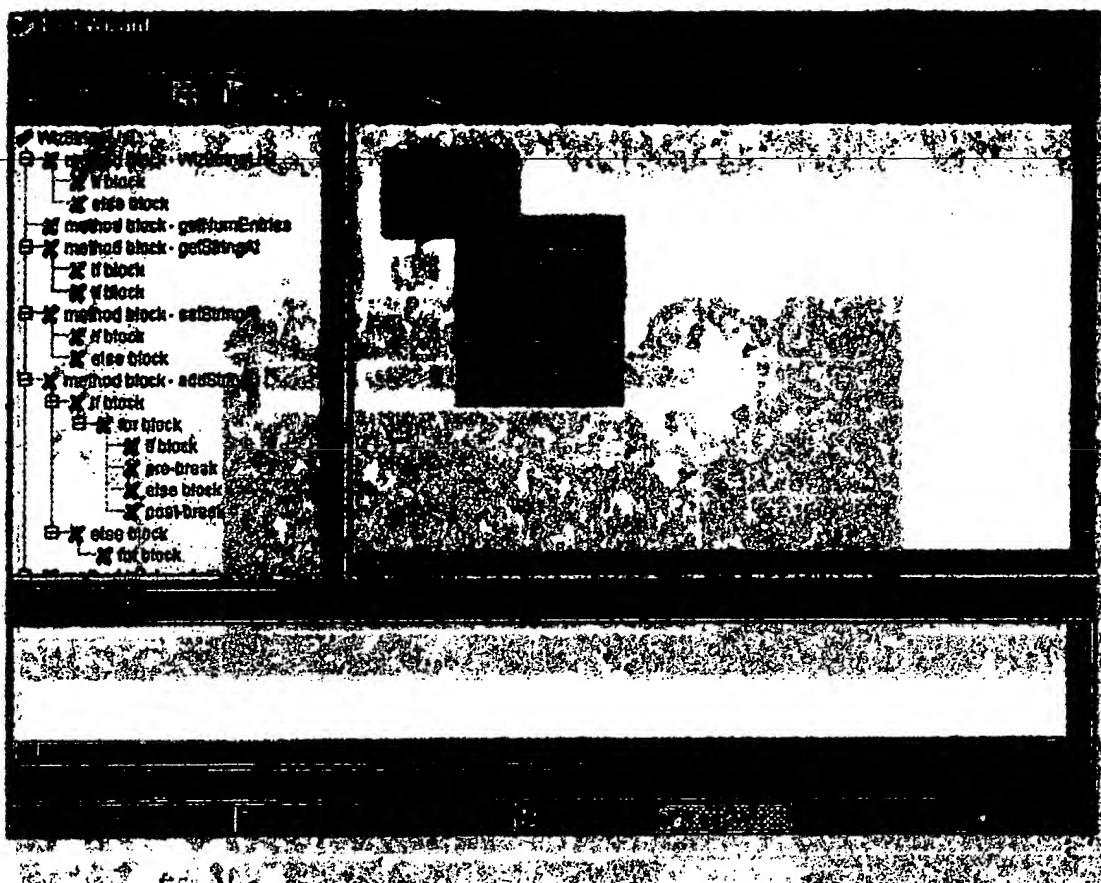


Fig. 7A

Fig. 7B

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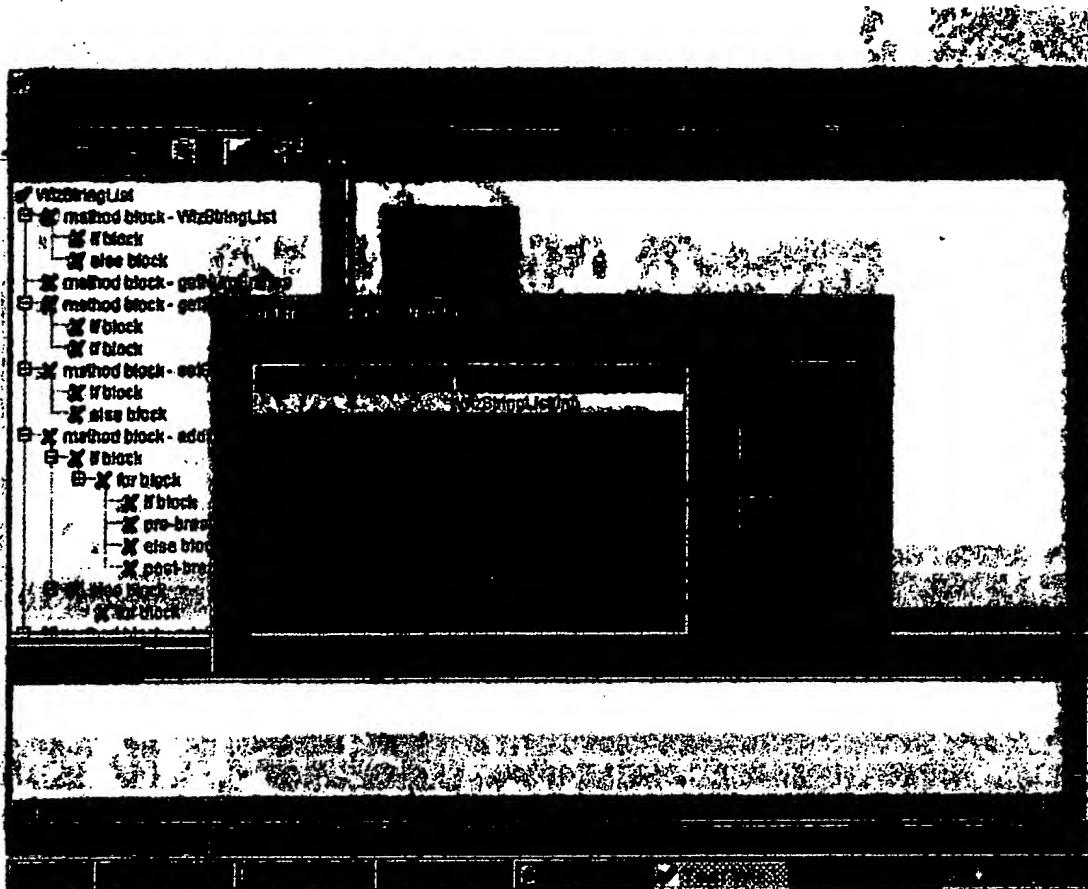


Fig. 30

Fig. 7B

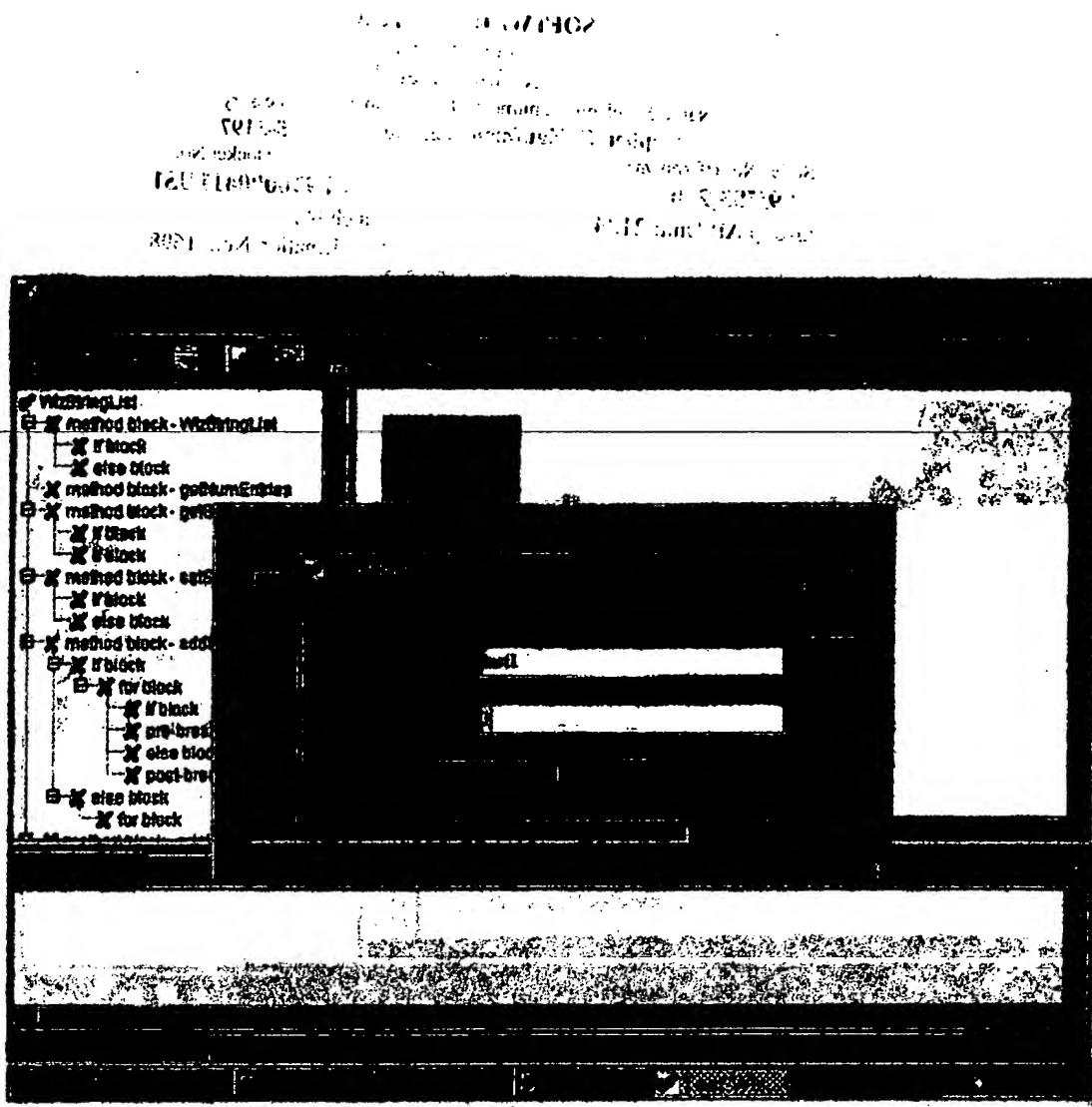


Fig. 7C

Fig. 8

**Fig. 8**

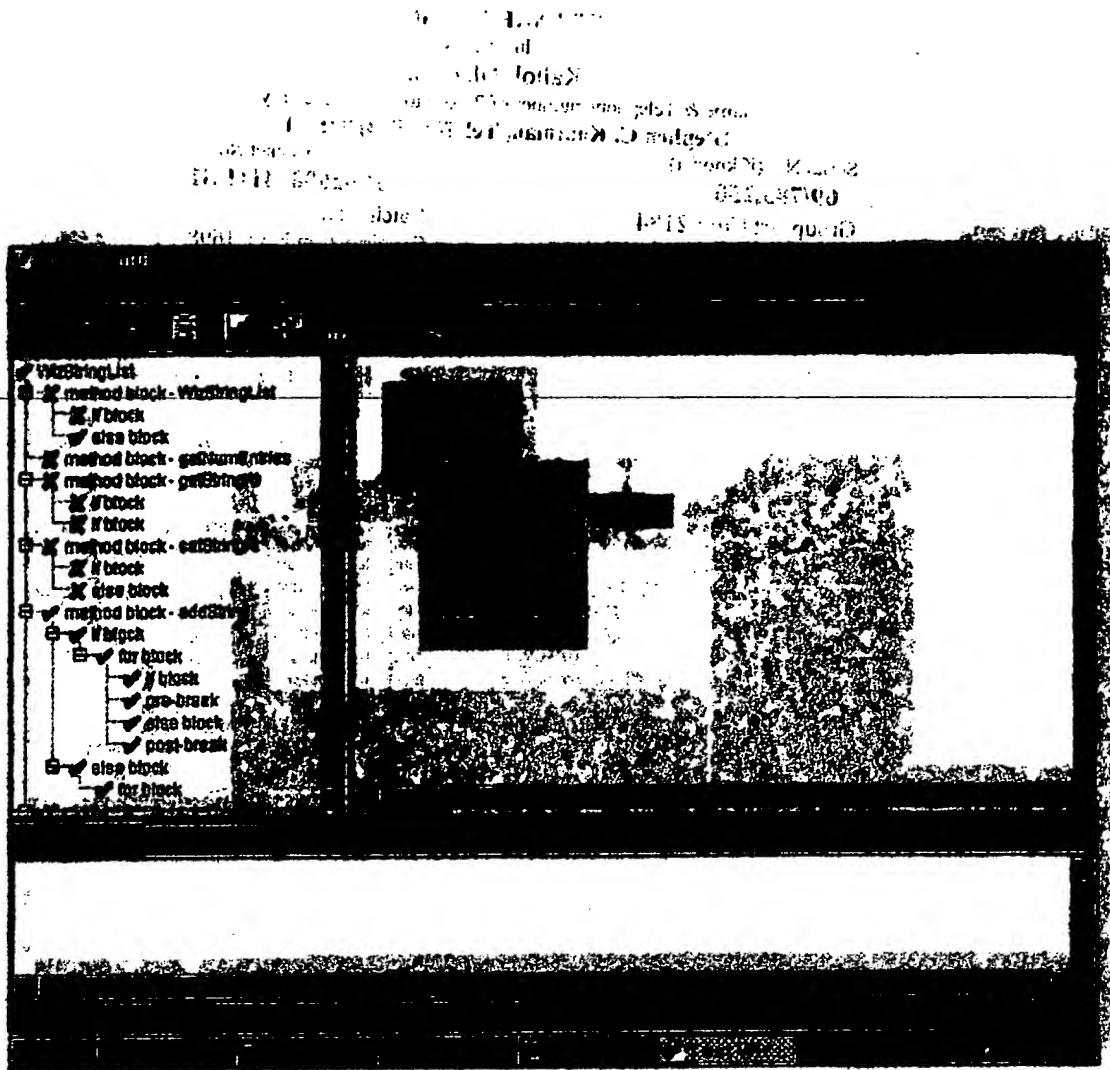


Fig. 9A

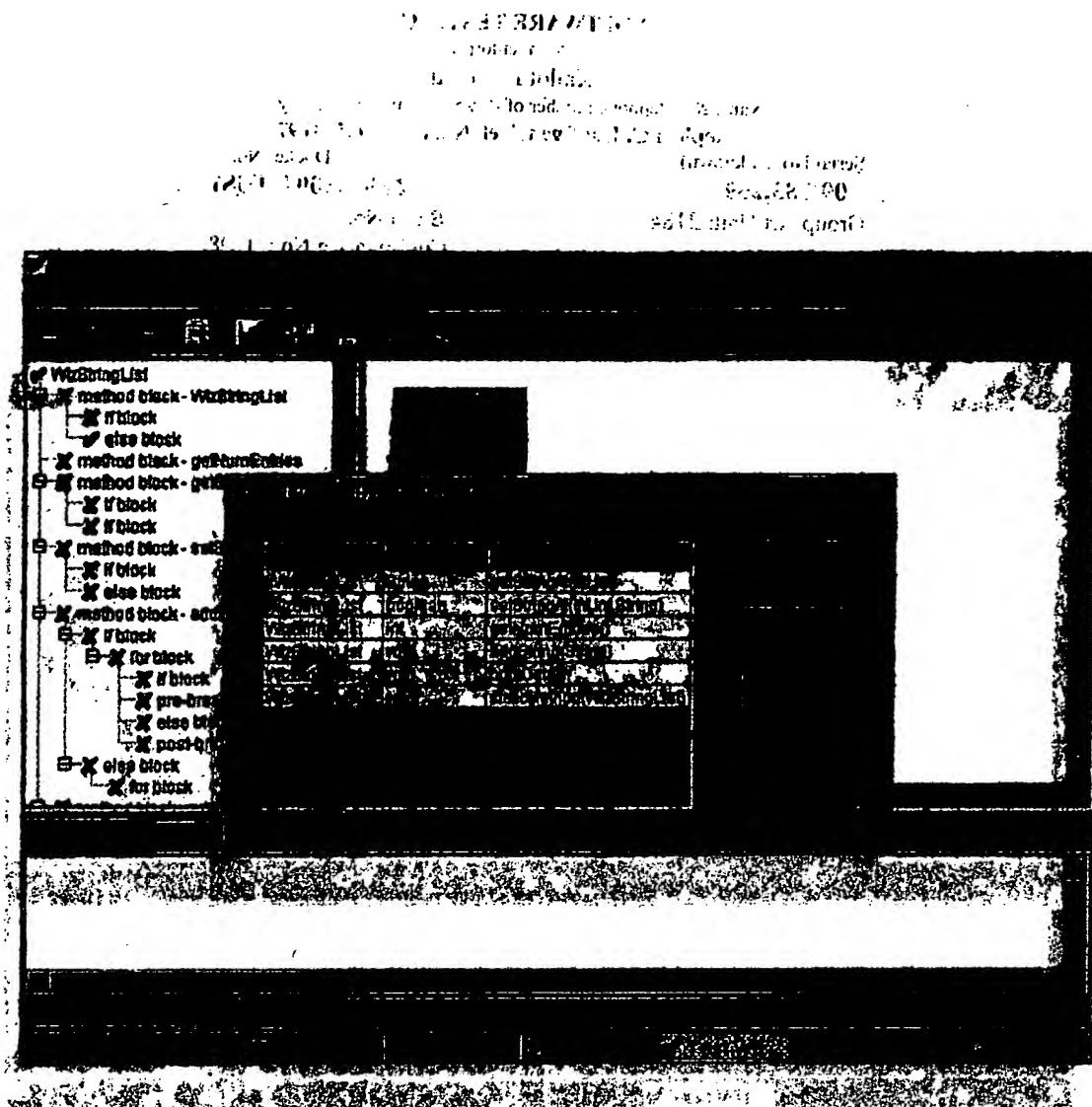


Fig. 9B

Fig. 9C

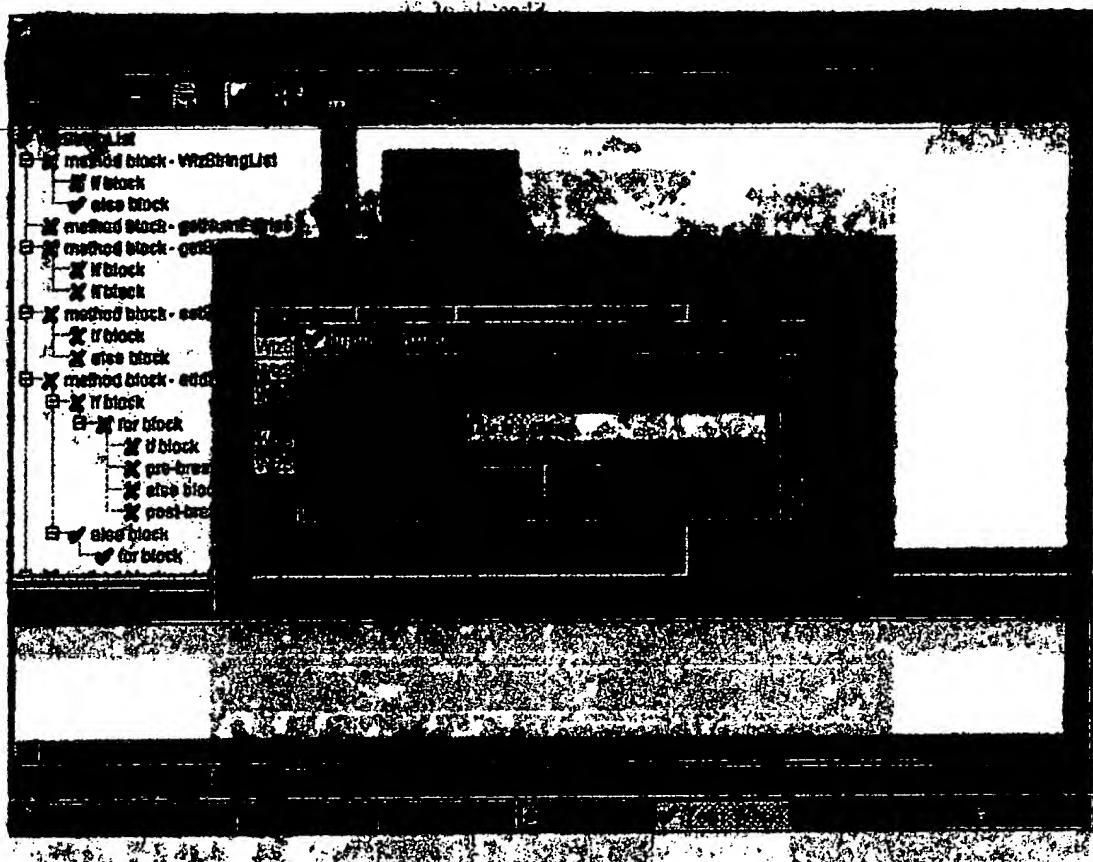


Fig. 9C

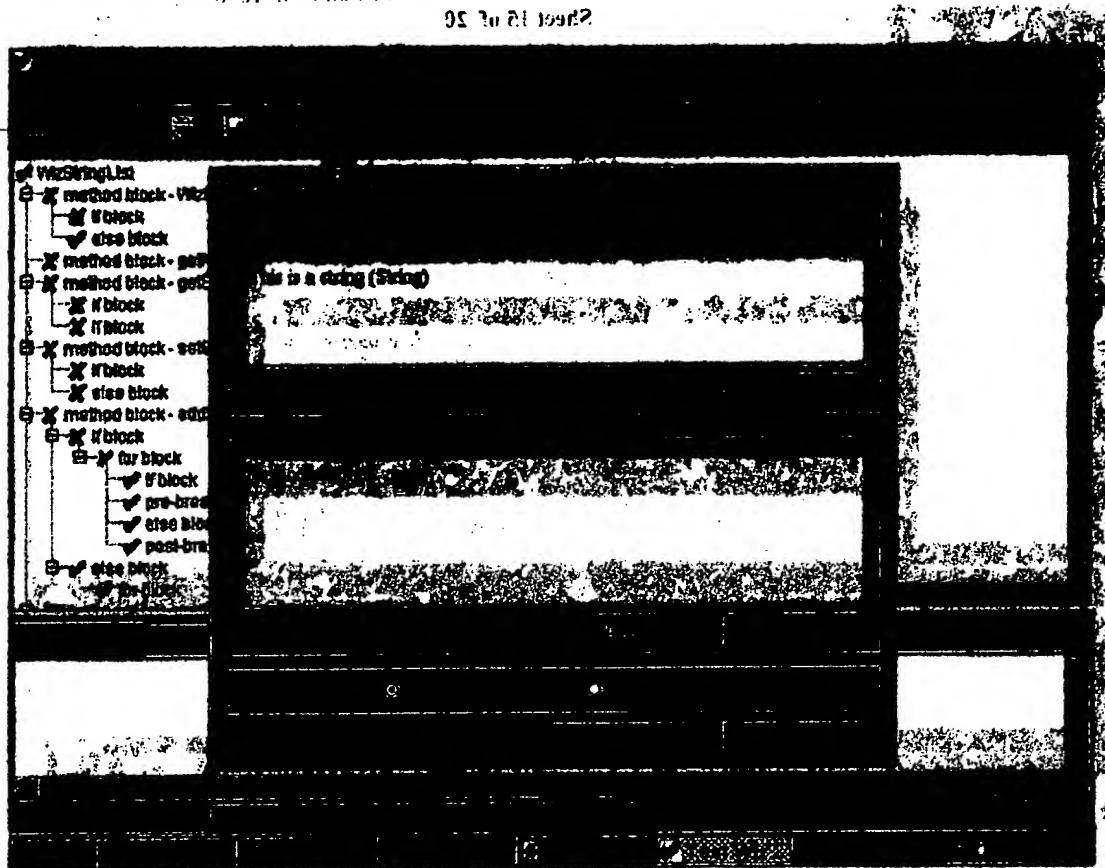


Fig. 9C  
**Fig. 9D**

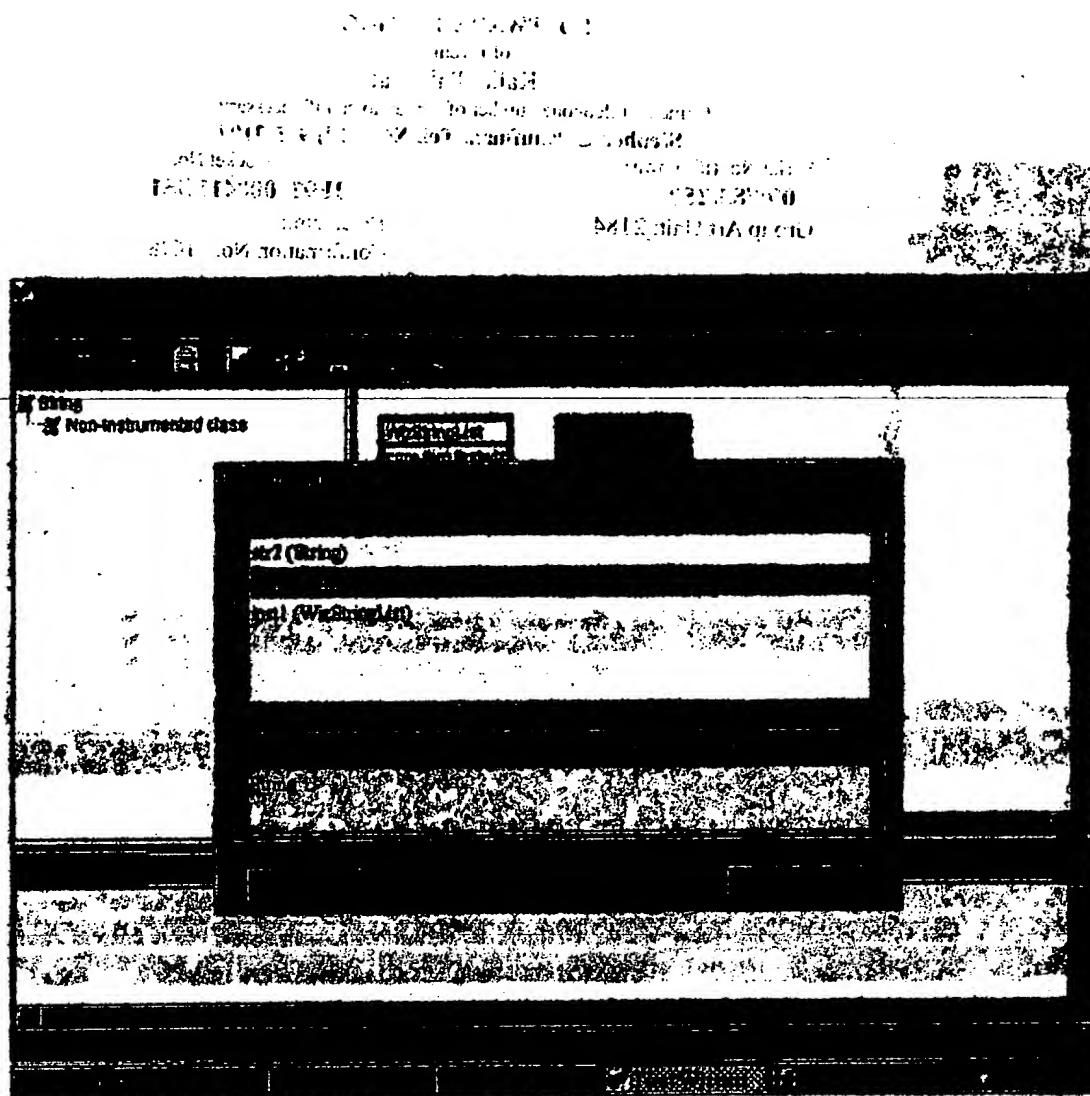


Fig. 10

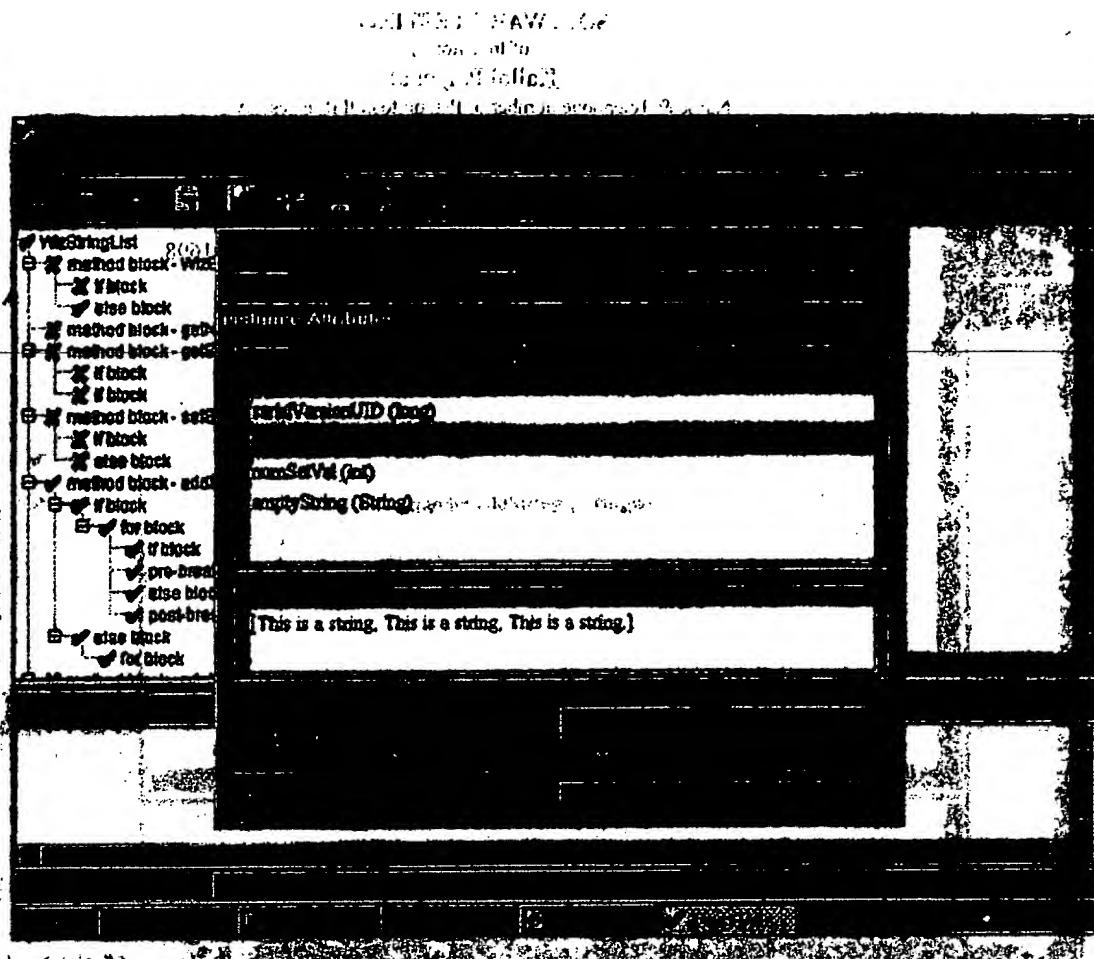


Fig. 11A

Fig. 11B

Fig. 11B

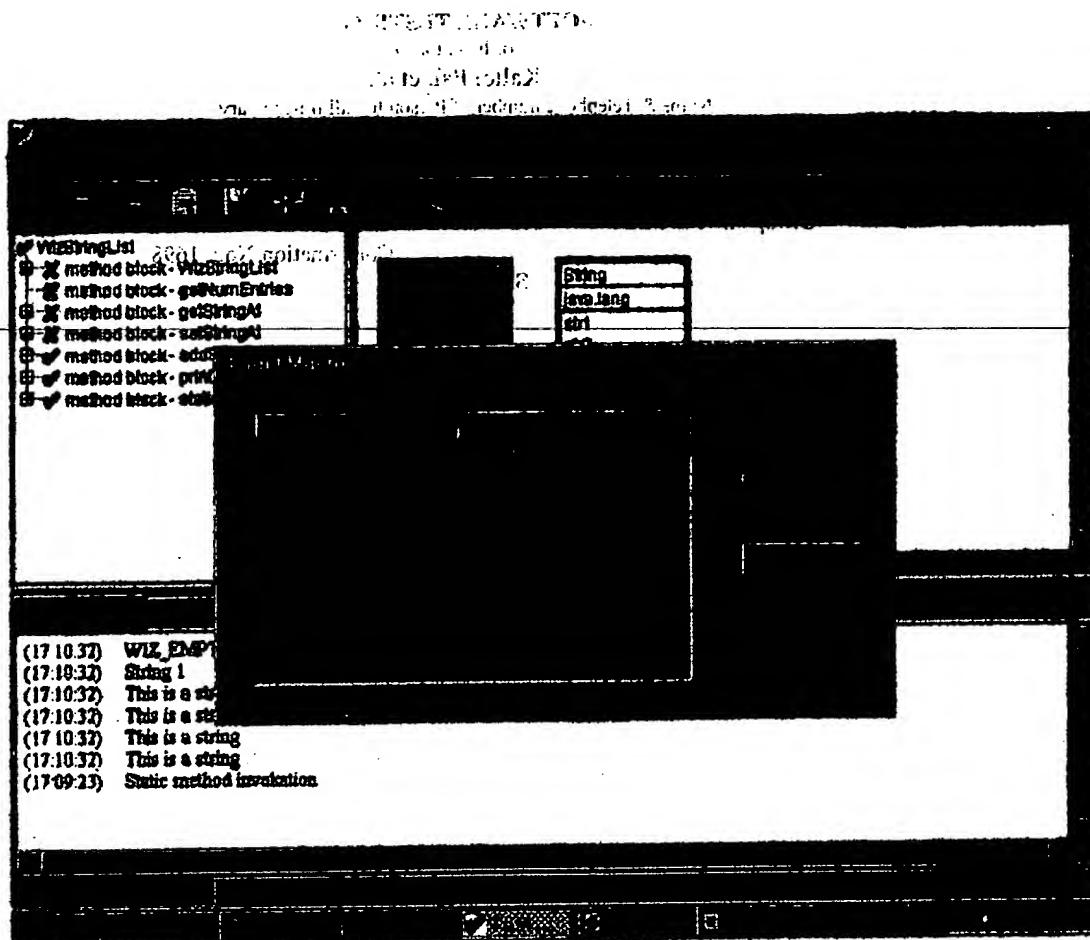


Fig. 11C